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## *Prostate Cancer*

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### **NO PROSTATE-SPECIFIC ANTIGEN (PSA) TEST**

*Definition: Men aged 40 and older that have not had a PSA test within the past two years.*

### **Prevalence of No PSA Test**

- South Dakota 46.9%
- Nationwide median 47.9%

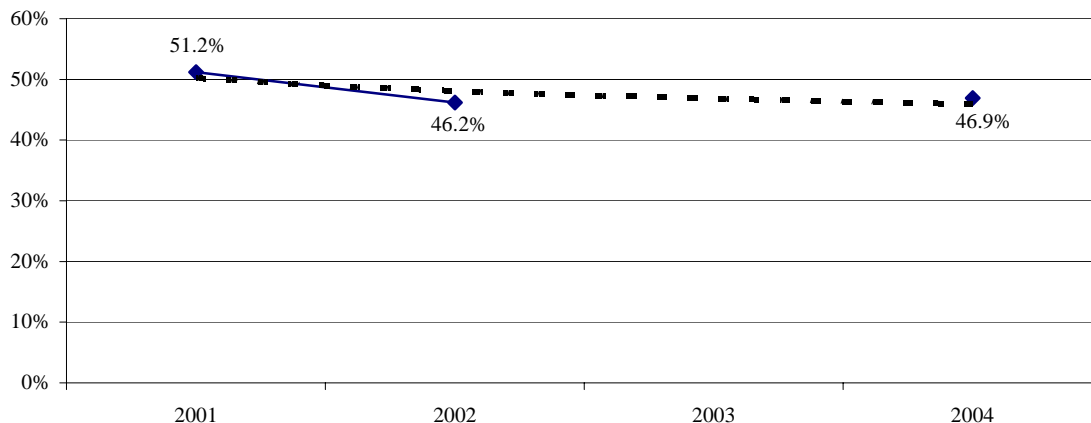
### **Healthy People 2010 Objective**

*There was no stated Healthy People 2010 Objective for no PSA test within the past two years.*

### **Trend Analysis**

This question was asked in 2001, 2002, and then again in 2004. The percent of men respondents who have not had a PSA test within the past two years held steady from 2002 to 2004.

**Figure 26**  
**Percent of Men Respondents, Ages 40 and Older, Who Have Not Had a PSA Test Within the Past 2 Years, 2001-2002 and 2004**



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2001-2002 and 2004.

### **Demographics**

<b>Age</b>	The prevalence of those not getting a PSA test within the past two years decreases as age increases. This includes significant decreases as the 45-54, 55-64, and 65-74 age groups are reached.
<b>Race</b>	There is insufficient data to make racial comparisons.
<b>Region</b>	There are no significant regional differences exhibited by the available data.
<b>Household Income</b>	Lack of a PSA test does not seem to follow a pattern as household income increases.
<b>Education</b>	Lack of a PSA test generally decreases as education increases.

**Employment Status** Those who are employed for wages or self-employed demonstrate a significantly higher prevalence of lacking a PSA test within the past two years than those who are retired.

**Marital Status** Those who are divorced, separated, or have never been married exhibit a very high prevalence of lacking a PSA test, while those who are widowed show a very low prevalence.

**Table 35**  
**Men Respondents, Ages 40 and Older, Who Have Not Had a PSA Test Within the Past 2 Years, 2004**

	Total			Male			Female		
	# Resp.	%	95% CI	# Resp.	%	95% CI	# Resp.	%	95% CI
<b>Total</b>	<b>1,773</b>	<b>46.9</b>	<b>(44.2-49.6)</b>	<b>1,773</b>	<b>46.9</b>	<b>(44.2-49.6)</b>	-	-	-
<b>Age</b>									
18-24	-	-	-	-	-	-	-	-	-
25-34	-	-	-	-	-	-	-	-	-
35-44	228	76.9	(70.0-82.6)	228	76.9	(70.0-82.6)	-	-	-
45-54	550	56.5	(51.6-61.2)	550	56.5	(51.6-61.2)	-	-	-
55-64	392	36.2	(31.0-41.8)	392	36.2	(31.0-41.8)	-	-	-
65-74	354	24.7	(19.9-30.1)	354	24.7	(19.9-30.1)	-	-	-
75+	249	22.8	(17.5-29.2)	249	22.8	(17.5-29.2)	-	-	-
<b>Race</b>									
White	1,622	46.1	(43.3-48.9)	1,622	46.1	(43.3-48.9)	-	-	-
American Indian	*	*	*	*	*	*	-	-	-
<b>Region</b>									
Southeast	432	46.0	(40.9-51.2)	432	46.0	(40.9-51.2)	-	-	-
Northeast	400	44.9	(39.6-50.3)	400	44.9	(39.6-50.3)	-	-	-
Central	339	54.0	(48.3-59.6)	339	54.0	(48.3-59.6)	-	-	-
West	416	46.9	(41.6-52.2)	416	46.9	(41.6-52.2)	-	-	-
American Indian Counties	186	46.2	(38.1-54.6)	186	46.2	(38.1-54.6)	-	-	-
<b>Household Income</b>									
Less than \$10,000	*	*	*	*	*	*	-	-	-
\$10,000-\$14,999	*	*	*	*	*	*	-	-	-
\$15,000-\$19,999	144	44.8	(35.5-54.5)	144	44.8	(35.5-54.5)	-	-	-
\$20,000-\$24,999	185	41.5	(33.5-50.1)	185	41.5	(33.5-50.1)	-	-	-
\$25,000-\$34,999	300	44.5	(38.0-51.3)	300	44.5	(38.0-51.3)	-	-	-
\$35,000-\$49,999	312	48.2	(42.0-54.5)	312	48.2	(42.0-54.5)	-	-	-
\$50,000-\$74,999	284	52.4	(45.9-58.9)	284	52.4	(45.9-58.9)	-	-	-
\$75,000+	286	44.3	(37.8-50.9)	286	44.3	(37.8-50.9)	-	-	-
<b>Education</b>									
8th Grade or Less	121	39.5	(29.8-50.2)	121	39.5	(29.8-50.2)	-	-	-
Some High School	*	*	*	*	*	*	-	-	-
High School or G.E.D.	617	50.6	(46.0-55.3)	617	50.6	(46.0-55.3)	-	-	-
Some Post-High School	408	48.9	(43.4-54.4)	408	48.9	(43.4-54.4)	-	-	-
College Graduate	528	42.1	(37.3-47.0)	528	42.1	(37.3-47.0)	-	-	-
<b>Employment Status</b>									
Employed for Wages	742	57.1	(53.0-61.2)	742	57.1	(53.0-61.2)	-	-	-
Self-employed	424	49.1	(43.5-54.7)	424	49.1	(43.5-54.7)	-	-	-
Unemployed	*	*	*	*	*	*	-	-	-
Homemaker	*	*	*	*	*	*	-	-	-
Student	*	*	*	*	*	*	-	-	-
Retired	508	24.2	(20.2-28.6)	508	24.2	(20.2-28.6)	-	-	-
Unable to Work	*	*	*	*	*	*	-	-	-
<b>Marital Status</b>									
Married/Unmarried Couple	1,159	45.4	(42.2-48.7)	1,159	45.4	(42.2-48.7)	-	-	-
Divorced/Separated	285	56.7	(50.0-63.1)	285	56.7	(50.0-63.1)	-	-	-
Widowed	156	25.9	(19.1-34.2)	156	25.9	(19.1-34.2)	-	-	-
Never Married	171	62.0	(52.1-71.0)	171	62.0	(52.1-71.0)	-	-	-

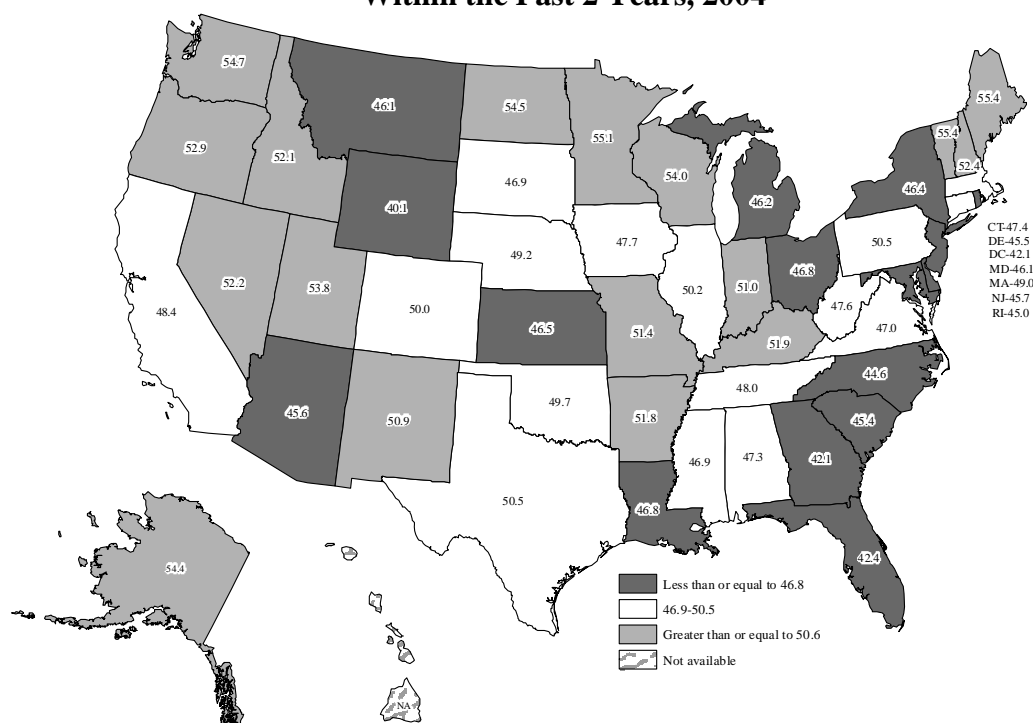
Note: \*Results based on sample sizes less than 100 have been suppressed.

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2004

## National Statistics

The national median for men respondents who have not had a PSA test within the past two years was 47.9 percent. South Dakota had 46.9 percent of men respondents who have not had a PSA test within the past two years. Wyoming had the lowest percent of men respondents who have not had a PSA test within the past two years with 40.1 percent, while Vermont had the highest percent of men respondents who have not had a PSA test within the past two years with 55.4 percent.

**Figure 27**  
**Nationally, Men Respondents, Ages 40 and Older, Who Have Not Had a PSA Test**  
**Within the Past 2 Years, 2004**



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2004

## Further Analysis

Following are data illustrating the percent of those men who have not had a PSA test within the past two years for various health behaviors and conditions. For example, 81.9 percent of men respondents who have no health insurance stated they have not had a PSA test within the past two years, while 53.5 percent of men respondents who have health insurance stated they have not had a PSA test within the past two years.

<b>Table 36</b>			
<b>No PSA Test, Ages 40 and Older, Within the Past 2 Years for Selected Health Behaviors and Conditions, 2004</b>			
<b>Health Behavior or Condition</b>	<b># Respondents</b>	<b>% No PSA Test</b>	<b>95% CI</b>
Fair or Poor Health Status	324	36.4	30.5-42.7
Excellent, Very Good, or Good Health Status	1,447	48.8	45.8-51.8
Physical Health Not Good for 30 Days of the Past 30	140	36.6	28.0-46.2
Physical Health Not Good for 0-29 Days of the Past 30	1,616	47.7	44.9-50.5
Mental Health Not Good for 20-30 Days of the Past 30	*	*	*
Mental Health Not Good for 0-19 Days of the Past 30	1,687	46.7	44.0-49.5

<b>Table 36 (continued)</b> <b>No PSA Test, Ages 40 and Older, Within the Past 2 Years for Selected Health Behaviors and Conditions, 2004</b>			
<b>Health Behavior or Condition</b>	<b># Respondents</b>	<b>% No PSA Test</b>	<b>95% CI</b>
Usual Activities Unattainable for 10-30 Days of the Past 30	123	39.4	29.9-49.7
Usual Activities Unattainable for 0-9 Days of the Past 30	1,643	47.5	44.7-50.3
Obese (BMI = 30.0+)	500	46.8	41.7-52.0
Overweight (BMI = 25.0-29.9)	840	45.1	41.2-49.0
Recommended Weight (BMI = 18.5-24.9)	419	50.8	45.2-56.3
No Leisure Time Physical Activity	441	52.6	47.1-58.1
Leisure Time Physical Activity	1,331	45.2	42.1-48.4
Current Smoker	360	58.4	52.3-64.2
Former Smoker	721	37.0	33.0-41.1
Never Smoked	691	50.8	46.4-55.1
Drank Alcohol in Past 30 Days	1,077	47.8	44.4-51.3
No Alcohol in Past 30 Days	687	45.2	40.8-49.7
Binge Drinker	262	63.0	56.2-69.4
Not a Binge Drinker	1,492	43.8	40.8-46.8
Heavy Drinker	*	*	*
Not a Heavy Drinker	1,693	46.5	43.7-49.3
No Digital Rectal Exam within Past Two Years (40+)	790	76.2	72.5-79.4
Digital Rectal Exam within Past Two Years (40+)	973	22.3	19.3-25.5
No Blood Stool Test within Past Two Years (50+)	923	40.4	36.8-44.2
Blood Stool Test within Past Two Years (50+)	352	14.0	10.4-18.6
Never Had Sigmoidoscopy or Colonoscopy (50+)	666	49.6	45.2-54.1
Ever Had Sigmoidoscopy or Colonoscopy (50+)	615	15.9	12.9-19.3
Haven't Been to the Dentist in the Past 12 Months	618	55.3	50.7-59.8
Been to the Dentist in the Past 12 Months	1,153	43.1	39.7-46.4
Not Taking any Precautions Against West Nile Virus	693	47.8	43.4-52.2
Taking Precautions Against West Nile Virus	1,041	46.0	42.5-49.5
No Health Insurance (18-64)	102	81.9	70.8-89.4
Health Insurance (18-64)	1,040	53.5	50.0-57.0
Employer Based Health Insurance Coverage (18-64)	684	53.4	49.2-57.6
Private Health Insurance Plan (18-64)	178	60.0	51.2-68.2
Medicare (18-64)	*	*	*
Medicaid or Medical Assistance (18-64)	*	*	*
The Military, CHAMPUS, TriCare, or the VA (18-64)	*	*	*
The Indian Health Service (18-64)	*	*	*
No Flu Shot (65+)	155	36.3	28.1-45.5
Flu Shot (65+)	446	19.8	16.0-24.3
No Pneumonia Shot (65+)	207	29.6	23.2-37.0
Pneumonia Shot (65+)	386	21.4	17.1-26.5
Diabetes	208	27.0	20.5-34.6
No Diabetes	1,564	49.2	46.4-52.1
Current Asthma	107	36.0	26.4-46.9
Former Asthma	*	*	*
Never Had Asthma	1,616	47.6	44.8-50.5
Previously Had a Heart Attack	197	26.2	19.9-33.5
Never Had a Heart Attack	1,539	48.9	46.0-51.8
Have Angina or Coronary Heart Disease	190	24.8	18.4-32.5
Do not Have Angina or Coronary Heart Disease	1,542	49.2	46.2-52.1
Previously Had a Stroke	*	*	*
Never Had a Stroke	1,666	46.6	43.8-49.4
Physical, Mental, or Emotional Disability	438	37.4	32.4-42.8
No Physical, Mental, or Emotional Disability	1,317	49.4	46.3-52.6

**Table 36 (continued)**  
**No PSA Test, Ages 40 and Older, Within the Past 2 Years for Selected Health Behaviors and Conditions, 2004**

<b>Health Behavior or Condition</b>	<b># Respondents</b>	<b>% No PSA Test</b>	<b>95% CI</b>
Disability with Special Equipment Needed	144	28.3	21.0-37.0
No Disability with Special Equipment Needed	1,609	48.2	45.4-51.1
Four or More Hours of TV Watched per Day	414	36.9	31.4-42.6
Less Than Four Hours of TV Watched per Day	1,312	49.5	46.4-52.7
Sick from Poor Indoor Air Quality in Past Year	220	52.7	45.1-60.1
Not Sick from Poor Indoor Air Quality in Past Year	1,540	46.0	43.0-48.9
Sick from Outdoor Air Pollution in Past Year	109	52.0	41.3-62.5
Not Sick from Outdoor Air Pollution in Past Year	1,655	46.7	43.9-49.6
Firearm in Household	1,235	45.7	42.5-48.9
No Firearms in Household	457	51.3	45.9-56.7
Loaded and Unlocked Firearm in Household	163	48.1	39.1-57.2
No Loaded and Unlocked Firearms in Household	1,519	47.3	44.4-50.2
No Birth Control (females 18-44 & males 18-59)	177	51.8	43.5-60.0
Birth Control (females 18-44 & males 18-59)	532	59.8	55.0-64.4
Never Been Tested for HIV (18-64)	884	57.6	53.8-61.4
Been Tested for HIV (18-64)	241	47.9	40.7-55.1
Sunburn in Past 12 Months	604	57.4	52.9-61.9
No Sunburn in Past 12 Months	1,166	40.6	37.3-43.9
Military Veteran	802	33.3	29.6-37.3
Not a Military Veteran	970	57.0	53.3-60.6

Note: \*Results based on sample sizes less than 100 have been suppressed.

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2004

## **NO DIGITAL RECTAL EXAM**

**Definition:** Men aged 40 and older that have not had a digital rectal exam within the past two years.

### **Prevalence of No Digital Rectal Exam**

- South Dakota 45.5%
- There is no nationwide median for no digital rectal exam within the past two years

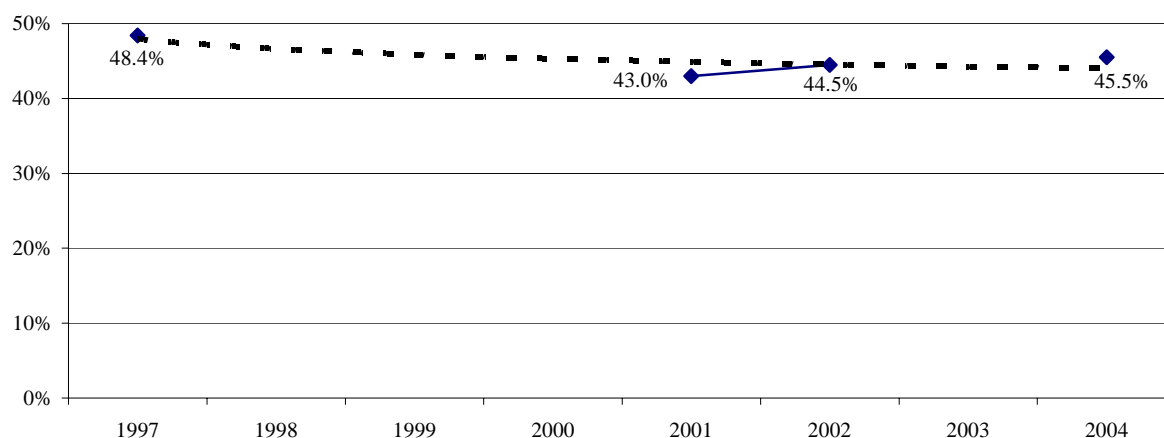
### **Healthy People 2010 Objective**

*There was no stated Healthy People 2010 Objective for no digital rectal exam within the past two years.*

### **Trend Analysis**

The percent of men respondents who have not had a digital rectal exam within the past two years hit its peak in 1997 with 48.4 percent. Since 2001 the percent of men respondents who have not had a digital rectal exam within the past two years has increased slightly.

**Figure 28**  
**Percent of Men Respondents, Ages 40 and Older, Who Have Not Had a Digital Rectal Exam Within the Past 2 Years, 1997, 2001-2002, and 2004**



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 1997, 2001-2002, and 2004

### **Demographics**

- |                         |  |
|-------------------------|--|
| <b>Age</b>              | The prevalence of those not getting a digital rectal exam within the past two years decreases as age increases. This includes significant decreases as the 45-54 and 55-64 age groups are reached. |
| <b>Race</b>             | There is insufficient data to make racial comparisons.   |
| <b>Region</b>           | There are no significant regional differences exhibited by the available data.   |
| <b>Household Income</b> | Lack of a digital rectal exam within the past two years seems to generally increase as household income increases.   |
| <b>Education</b>        | Lack of a digital rectal exam generally decreases as education increases.  |

**Employment Status** Those who are employed for wages or self-employed demonstrate a significantly higher prevalence of a lack of a digital rectal exam within the past two years than those who are retired.

**Marital Status** Those who are divorced, separated, or have never been married exhibit a significantly higher prevalence of a lack of a digital rectal exam than those who are married or widowed.

**Table 37**  
**Men Respondents, Ages 40 and Older, Who Have Not Had a Digital Rectal Exam Within the Past 2 Years, 2004**

	Total			Male			Female		
	# Resp.	%	95% CI	# Resp.	%	95% CI	# Resp.	%	95% CI
<b>Total</b>	<b>1,828</b>	<b>45.5</b>	<b>(42.8-48.2)</b>	<b>1,828</b>	<b>45.5</b>	<b>(42.8-48.2)</b>	-	-	-
<b>Age</b>									
18-24	-	-	-	-	-	-	-	-	-
25-34	-	-	-	-	-	-	-	-	-
35-44	238	66.4	(59.4-72.8)	238	66.4	(59.4-72.8)	-	-	-
45-54	564	52.6	(47.8-57.3)	564	52.6	(47.8-57.3)	-	-	-
55-64	403	39.0	(33.7-44.6)	403	39.0	(33.7-44.6)	-	-	-
65-74	364	28.5	(23.6-34.1)	364	28.5	(23.6-34.1)	-	-	-
75+	253	25.7	(20.2-32.2)	253	25.7	(20.2-32.2)	-	-	-
<b>Race</b>									
White	1,673	44.1	(41.3-46.8)	1,673	44.1	(41.3-46.8)	-	-	-
American Indian	*	*	*	*	*	*	-	-	-
<b>Region</b>									
Southeast	444	42.9	(37.9-48.0)	444	42.9	(37.9-48.0)	-	-	-
Northeast	410	43.9	(38.7-49.3)	410	43.9	(38.7-49.3)	-	-	-
Central	350	52.2	(46.6-57.8)	350	52.2	(46.6-57.8)	-	-	-
West	437	46.5	(41.3-51.7)	437	46.5	(41.3-51.7)	-	-	-
American Indian Counties	187	53.7	(45.4-61.8)	187	53.7	(45.4-61.8)	-	-	-
<b>Household Income</b>									
Less than \$10,000	*	*	*	*	*	*	-	-	-
\$10,000-\$14,999	*	*	*	*	*	*	-	-	-
\$15,000-\$19,999	149	40.4	(31.5-49.9)	149	40.4	(31.5-49.9)	-	-	-
\$20,000-\$24,999	193	42.3	(34.3-50.7)	193	42.3	(34.3-50.7)	-	-	-
\$25,000-\$34,999	306	44.2	(37.7-50.8)	306	44.2	(37.7-50.8)	-	-	-
\$35,000-\$49,999	325	47.3	(41.2-53.4)	325	47.3	(41.2-53.4)	-	-	-
\$50,000-\$74,999	289	47.8	(41.3-54.4)	289	47.8	(41.3-54.4)	-	-	-
\$75,000+	294	42.3	(36.0-48.8)	294	42.3	(36.0-48.8)	-	-	-
<b>Education</b>									
8th Grade or Less	126	42.2	(32.4-52.7)	126	42.2	(32.4-52.7)	-	-	-
Some High School	*	*	*	*	*	*	-	-	-
High School or G.E.D.	636	50.3	(45.6-54.9)	636	50.3	(45.6-54.9)	-	-	-
Some Post-High School	419	46.4	(41.0-51.9)	419	46.4	(41.0-51.9)	-	-	-
College Graduate	546	39.2	(34.5-44.1)	546	39.2	(34.5-44.1)	-	-	-
<b>Employment Status</b>									
Employed for Wages	768	51.0	(46.9-55.0)	768	51.0	(46.9-55.0)	-	-	-
Self-employed	433	50.3	(44.8-55.9)	433	50.3	(44.8-55.9)	-	-	-
Unemployed	*	*	*	*	*	*	-	-	-
Homemaker	*	*	*	*	*	*	-	-	-
Student	*	*	*	*	*	*	-	-	-
Retired	521	28.8	(24.6-33.3)	521	28.8	(24.6-33.3)	-	-	-
Unable to Work	*	*	*	*	*	*	-	-	-
<b>Marital Status</b>									
Married/Unmarried Couple	1,193	43.5	(40.4-46.7)	1,193	43.5	(40.4-46.7)	-	-	-
Divorced/Separated	295	53.8	(47.3-60.2)	295	53.8	(47.3-60.2)	-	-	-
Widowed	158	33.7	(26.1-42.3)	158	33.7	(26.1-42.3)	-	-	-
Never Married	180	60.2	(51.0-68.8)	180	60.2	(51.0-68.8)	-	-	-

Note: \*Results based on sample sizes less than 100 have been suppressed.

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2004

## Further Analysis

Following are data illustrating the percent of those men who have not had a digital rectal exam within the past two years for various health behaviors and conditions. For example, 53.8 percent of men respondents who have no leisure time physical activity stated they have not had a digital rectal exam within the past two years, while 43.1 percent of men respondents who have a leisure time physical activity stated they have not had a digital rectal exam within the past two years.

<b>Table 38</b> <b>No Digital Rectal Exam, Ages 40 and Older, Within the Past 2 Years for Selected Health Behaviors and Conditions, 2004</b>			
<b>Health Behavior or Condition</b>	<b># Respondents</b>	<b>% No Digital Rectal Exam</b>	<b>95% CI</b>
Fair or Poor Health Status	336	36.6	30.8-42.8
Excellent, Very Good, or Good Health Status	1,490	47.1	44.2-50.1
Physical Health Not Good for 30 Days of the Past 30	142	36.5	28.0-45.9
Physical Health Not Good for 0-29 Days of the Past 30	1,669	46.1	43.3-48.9
Mental Health Not Good for 20-30 Days of the Past 30	*	*	*
Mental Health Not Good for 0-19 Days of the Past 30	1,736	45.3	42.6-48.1
Usual Activities Unattainable for 10-30 Days of the Past 30	132	36.7	27.8-46.7
Usual Activities Unattainable for 0-9 Days of the Past 30	1,689	46.1	43.4-48.9
Obese (BMI = 30.0+)	514	42.1	37.2-47.2
Overweight (BMI = 25.0-29.9)	869	47.1	43.3-51.0
Recommended Weight (BMI = 18.5-24.9)	428	45.3	39.9-50.8
No Leisure Time Physical Activity	457	53.8	48.4-59.1
Leisure Time Physical Activity	1,369	43.1	40.0-46.2
Current Smoker	371	53.0	47.1-58.9
Former Smoker	743	38.8	34.8-42.9
Never Smoked	712	48.2	43.9-52.5
Drank Alcohol in Past 30 Days	1,112	46.1	42.8-49.6
No Alcohol in Past 30 Days	704	44.1	39.8-48.5
Binge Drinker	273	53.1	46.3-59.9
Not a Binge Drinker	1,533	43.8	40.8-46.7
Heavy Drinker	*	*	*
Not a Heavy Drinker	1,740	45.0	42.3-47.8
No PSA Test within Past Two Years (40+)	796	74.1	70.4-77.5
PSA Test within Past Two Years (40+)	967	20.5	17.6-23.6
No Blood Stool Test within Past Two Years (50+)	944	43.2	39.6-46.9
Blood Stool Test within Past Two Years (50+)	363	14.6	11.1-19.0
Never Had Sigmoidoscopy or Colonoscopy (50+)	679	50.0	45.6-54.4
Ever Had Sigmoidoscopy or Colonoscopy (50+)	632	20.3	17.0-24.1
Haven't Been to the Dentist in the Past 12 Months	631	51.3	46.7-55.9
Been to the Dentist in the Past 12 Months	1,194	42.8	39.5-46.1
Not Taking any Precautions Against West Nile Virus	719	48.2	43.9-52.6
Taking Precautions Against West Nile Virus	1,070	43.2	39.8-46.7
No Health Insurance (18-64)	102	79.5	68.9-87.2
Health Insurance (18-64)	1,075	50.0	46.6-53.5
Employer Based Health Insurance Coverage (18-64)	706	48.2	44.0-52.4
Private Health Insurance Plan (18-64)	180	61.4	52.8-69.3
Medicare (18-64)	*	*	*
Medicaid or Medical Assistance (18-64)	*	*	*
The Military, CHAMPUS, TriCare, or the VA (18-64)	*	*	*
The Indian Health Service (18-64)	*	*	*



**Table 38 (continued)**  
**No Digital Rectal Exam, Ages 40 and Older, Within the Past 2 Years for Selected Health Behaviors and Conditions, 2004**

<b>Health Behavior or Condition</b>	<b># Respondents</b>	<b>% No Digital Rectal Exam</b>	<b>95% CI</b>
No Flu Shot (65+)	159	43.0	34.4-52.0
Flu Shot (65+)	456	22.1	18.2-26.6
No Pneumonia Shot (65+)	214	32.4	25.8-39.8
Pneumonia Shot (65+)	393	24.1	19.6-29.2
Diabetes	215	30.2	23.5-37.8
No Diabetes	1,611	47.3	44.5-50.2
Current Asthma	113	39.1	29.5-49.6
Former Asthma	*	*	*
Never Had Asthma	1,662	46.0	43.2-48.8
Previously Had a Heart Attack	197	30.7	24.0-38.3
Never Had a Heart Attack	1,595	46.7	43.8-49.6
Have Angina or Coronary Heart Disease	193	24.7	18.6-32.1
Do not Have Angina or Coronary Heart Disease	1,593	47.5	44.7-50.4
Previously Had a Stroke	*	*	*
Never Had a Stroke	1,721	45.2	42.4-47.9
Physical, Mental, or Emotional Disability	451	37.4	32.4-42.6
No Physical, Mental, or Emotional Disability	1,358	47.6	44.6-50.8
Disability with Special Equipment Needed	146	30.2	22.7-39.0
No Disability with Special Equipment Needed	1,663	46.5	43.7-49.3
Four or More Hours of TV Watched per Day	430	40.6	35.3-46.3
Less Than Four Hours of TV Watched per Day	1,349	46.6	43.5-49.7
Sick from Poor Indoor Air Quality in Past Year	231	52.0	44.6-59.3
Not Sick from Poor Indoor Air Quality in Past Year	1,585	44.4	41.6-47.3
Sick from Outdoor Air Pollution in Past Year	115	54.8	44.3-64.9
Not Sick from Outdoor Air Pollution in Past Year	1,704	44.9	42.2-47.7
Firearm in Household	1,267	43.9	40.8-47.1
No Firearms in Household	479	48.4	43.2-53.7
Loaded and Unlocked Firearm in Household	169	51.6	42.8-60.4
No Loaded and Unlocked Firearms in Household	1,567	44.6	41.7-47.5
No Birth Control (females 18-44 & males 18-59)	183	47.3	39.3-55.5
Birth Control (females 18-44 & males 18-59)	552	54.0	49.3-58.7
Never Been Tested for HIV (18-64)	908	53.1	49.3-56.9
Been Tested for HIV (18-64)	248	48.5	41.5-55.6
Sunburn in Past 12 Months	626	53.1	48.6-57.6
No Sunburn in Past 12 Months	1,198	40.8	37.6-44.1
Military Veteran	828	34.4	30.8-38.3
Not a Military Veteran	999	53.7	50.0-57.3

Note: \*Results based on sample sizes less than 100 have been suppressed.

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2004

## **PROSTATE CANCER**

*Definition: Men aged 40 and older who have been told by a doctor or other health professional that they had prostate cancer.*

### **Prevalence of Prostate Cancer**

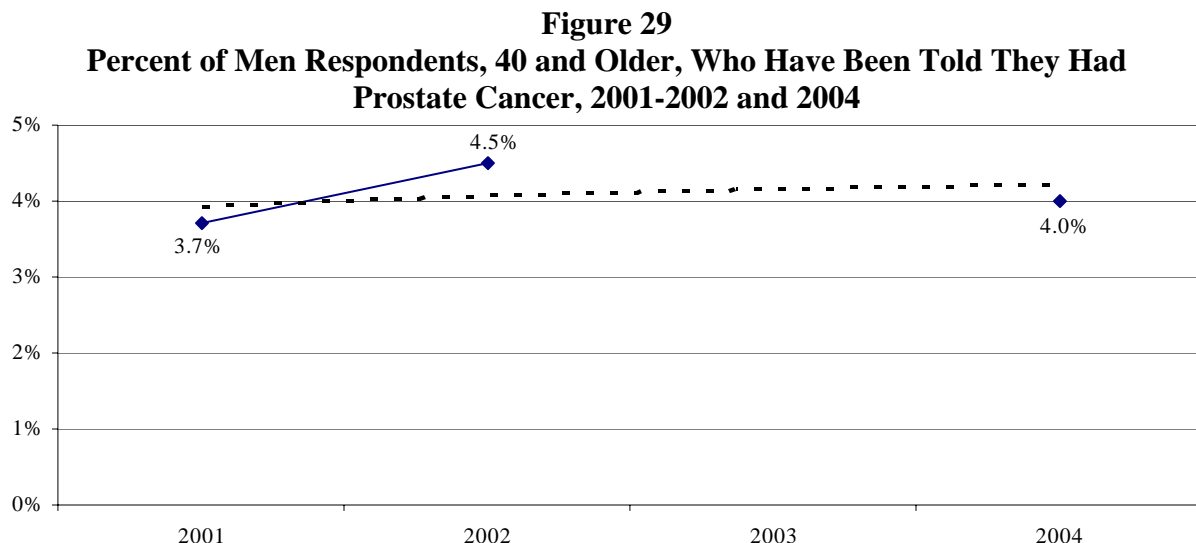
- South Dakota 4.0%
- There is no nationwide median for prostate cancer

### **Healthy People 2010 Objective**

*There was no stated Healthy People 2010 Objective for prostate cancer.*

### **Trend Analysis**

The percent of men respondents who have been told they had prostate cancer hit its peak in 2002 with 4.5 percent. Since then the percent of men respondents who have been told they had prostate cancer has decreased.



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2001-2002 and 2004

### **Demographics**

<b>Age</b>	The prevalence of diagnosed prostate cancer increases as age increases. This includes a significant increase when the 75 and older age group is attained.
<b>Race</b>	There are no significant racial differences demonstrated by the available data.
<b>Region</b>	The northeast region exhibits a high prevalence of diagnosed prostate cancer, while the southeast region shows a low prevalence.
<b>Household Income</b>	The prevalence of diagnosed prostate cancer does not seem to follow a pattern as household income increases.
<b>Education</b>	Diagnosed prostate cancer decreases as education increases.

**Employment Status** Those who are retired demonstrate a significantly higher prevalence of diagnosed prostate cancer than those who are employed for wages or self-employed.

**Marital Status** Those who are widowed exhibit a very high prevalence of diagnosed prostate cancer, while those who have never been married or who are divorced or separated show a very low prevalence.

Table 39									
Men Respondents, 40 and Older, Who Have Been Told They Had Prostate Cancer, 2004									
	Total			Male			Female		
	# Resp.	%	95% CI	# Resp.	%	95% CI	# Resp.	%	95% CI
Total	1,842	4.0	(3.2-5.0)	1,842	4.0	(3.2-5.0)	-	-	-
Age									
18-24	-	-	-	-	-	-	-	-	-
25-34	-	-	-	-	-	-	-	-	-
35-44	239	0.0	-	239	0.0	-	-	-	-
45-54	566	0.8	(0.3-2.1)	566	0.8	(0.3-2.1)	-	-	-
55-64	406	3.2	(1.7-5.8)	406	3.2	(1.7-5.8)	-	-	-
65-74	366	5.9	(3.9-9.0)	366	5.9	(3.9-9.0)	-	-	-
75+	259	16.6	(12.2-22.3)	259	16.6	(12.2-22.3)	-	-	-
Race									
White	1,684	4.0	(3.2-5.1)	1,684	4.0	(3.2-5.1)	-	-	-
American Indian	101	5.0	(2.0-11.8)	101	5.0	(2.0-11.8)	-	-	-
Region									
Southeast	447	2.2	(1.2-3.9)	447	2.2	(1.2-3.9)	-	-	-
Northeast	413	6.4	(4.4-9.3)	413	6.4	(4.4-9.3)	-	-	-
Central	353	5.0	(3.1-7.9)	353	5.0	(3.1-7.9)	-	-	-
West	438	3.9	(2.3-6.3)	438	3.9	(2.3-6.3)	-	-	-
American Indian Counties	191	3.9	(1.7-8.9)	191	3.9	(1.7-8.9)	-	-	-
Household Income									
Less than \$10,000	*	*	*	*	*	*	-	-	-
\$10,000-\$14,999	*	*	*	*	*	*	-	-	-
\$15,000-\$19,999	150	7.7	(4.0-14.2)	150	7.7	(4.0-14.2)	-	-	-
\$20,000-\$24,999	194	4.0	(1.8-8.6)	194	4.0	(1.8-8.6)	-	-	-
\$25,000-\$34,999	307	6.3	(3.9-10.1)	307	6.3	(3.9-10.1)	-	-	-
\$35,000-\$49,999	325	3.1	(1.6-5.8)	325	3.1	(1.6-5.8)	-	-	-
\$50,000-\$74,999	291	2.0	(0.9-4.6)	291	2.0	(0.9-4.6)	-	-	-
\$75,000+	295	2.1	(1.0-4.1)	295	2.1	(1.0-4.1)	-	-	-
Education									
8th Grade or Less	127	8.1	(4.3-14.9)	127	8.1	(4.3-14.9)	-	-	-
Some High School	*	*	*	*	*	*	-	-	-
High School or G.E.D.	644	4.8	(3.3-6.9)	644	4.8	(3.3-6.9)	-	-	-
Some Post-High School	421	3.0	(1.7-5.3)	421	3.0	(1.7-5.3)	-	-	-
College Graduate	547	2.6	(1.6-4.3)	547	2.6	(1.6-4.3)	-	-	-
Employment Status									
Employed for Wages	770	1.0	(0.5-2.0)	770	1.0	(0.5-2.0)	-	-	-
Self-employed	437	3.0	(1.8-5.0)	437	3.0	(1.8-5.0)	-	-	-
Unemployed	*	*	*	*	*	*	-	-	-
Homemaker	*	*	*	*	*	*	-	-	-
Student	*	*	*	*	*	*	-	-	-
Retired	526	10.7	(8.1-14.1)	526	10.7	(8.1-14.1)	-	-	-
Unable to Work	*	*	*	*	*	*	-	-	-
Marital Status									
Married/Unmarried Couple	1,197	4.2	(3.2-5.5)	1,197	4.2	(3.2-5.5)	-	-	-
Divorced/Separated	299	1.5	(0.6-3.6)	299	1.5	(0.6-3.6)	-	-	-
Widowed	162	12.3	(7.5-19.4)	162	12.3	(7.5-19.4)	-	-	-
Never Married	181	0.4	(0.1-1.7)	181	0.4	(0.1-1.7)	-	-	-

Note: \*Results based on sample sizes less than 100 have been suppressed.

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2004

## Further Analysis

Following are data illustrating the percent of those men who have been diagnosed with prostate cancer for various health behaviors and conditions. For example, 8.2 percent of men respondents who have diabetes stated they have been diagnosed with prostate cancer, while 3.5 percent of men respondents who do not have diabetes stated they have been diagnosed with prostate cancer.

<b>Table 40</b> <b>Diagnosed Prostate Cancer, 40 and Older, for Selected Health Behaviors and Conditions, 2004</b>			
<b>Health Behavior or Condition</b>	<b># Respondents</b>	<b>% with Diagnosed Prostate Cancer</b>	<b>95% CI</b>
Fair or Poor Health Status	340	7.5	5.0-11.0
Excellent, Very Good, or Good Health Status	1,500	3.3	2.4-4.3
Physical Health Not Good for 30 Days of the Past 30	145	4.7	2.3-9.7
Physical Health Not Good for 0-29 Days of the Past 30	1,680	4.0	3.1-5.1
Mental Health Not Good for 20-30 Days of the Past 30	*	*	*
Mental Health Not Good for 0-19 Days of the Past 30	1,746	4.0	3.1-5.0
Usual Activities Unattainable for 10-30 Days of the Past 30	135	7.4	3.9-13.8
Usual Activities Unattainable for 0-9 Days of the Past 30	1,698	3.8	2.9-4.8
Obese (BMI = 30.0+)	517	3.1	1.9-5.1
Overweight (BMI = 25.0-29.9)	875	4.1	3.0-5.7
Recommended Weight (BMI = 18.5-24.9)	433	4.5	2.8-7.0
No Leisure Time Physical Activity	460	3.6	2.1-6.0
Leisure Time Physical Activity	1,380	4.1	3.2-5.3
Current Smoker	374	2.5	1.4-4.7
Former Smoker	748	6.1	4.4-8.3
Never Smoked	718	2.7	1.8-4.1
Drank Alcohol in Past 30 Days	1,115	3.5	2.5-4.8
No Alcohol in Past 30 Days	714	4.8	3.4-6.8
Binge Drinker	273	0.3	0.1-1.2
Not a Binge Drinker	1,546	4.7	3.7-5.9
Heavy Drinker	*	*	*
Not a Heavy Drinker	1,753	4.1	3.2-5.2
No PSA Test within Past Two Years (40+)	803	0.8	0.4-1.6
PSA Test within Past Two Years (40+)	970	7.0	5.5-9.0
No Digital Rectal Exam within Past Two Years (40+)	818	1.9	1.2-3.1
Digital Rectal Exam within Past Two Years (40+)	1,010	5.7	4.4-7.5
No Blood Stool Test within Past Two Years (50+)	954	5.4	4.0-7.2
Blood Stool Test within Past Two Years (50+)	364	7.8	5.2-11.6
Never Had Sigmoidoscopy or Colonoscopy (50+)	688	3.4	2.2-5.3
Ever Had Sigmoidoscopy or Colonoscopy (50+)	635	8.6	6.5-11.3
Haven't Been to the Dentist in the Past 12 Months	640	4.4	2.9-6.5
Been to the Dentist in the Past 12 Months	1,199	3.8	2.8-5.1
Not Taking any Precautions Against West Nile Virus	728	4.2	2.9-6.1
Taking Precautions Against West Nile Virus	1,073	3.8	2.8-5.1
No Health Insurance (18-64)	102	0.7	0.1-5.0
Health Insurance (18-64)	1,080	1.3	0.8-2.3
Employer Based Health Insurance Coverage (18-64)	707	1.5	0.8-2.8
Private Health Insurance Plan (18-64)	181	0.3	0.0-2.0
Medicare (18-64)	*	*	*
Medicaid or Medical Assistance (18-64)	*	*	*
The Military, CHAMPUS, TriCare, or the VA (18-64)	*	*	*
The Indian Health Service (18-64)	*	*	*

**Table 40 (continued)**  
**Diagnosed Prostate Cancer, 40 and Older, for Selected Health Behaviors and Conditions, 2004**

<b>Health Behavior or Condition</b>	<b># Respondents</b>	<b>% with Diagnosed Prostate Cancer</b>	<b>95% CI</b>
No Flu Shot (65+)	163	4.5	2.0-9.7
Flu Shot (65+)	460	13.2	10.1-17.1
No Pneumonia Shot (65+)	218	5.7	3.3-9.6
Pneumonia Shot (65+)	397	13.7	10.3-18.1
Diabetes	217	8.2	4.8-13.8
No Diabetes	1,623	3.5	2.7-4.5
Current Asthma	113	5.8	2.5-12.9
Former Asthma	*	*	*
Never Had Asthma	1,676	3.8	3.0-4.9
Previously Had a Heart Attack	199	9.2	5.6-14.8
Never Had a Heart Attack	1,604	3.4	2.6-4.4
Have Angina or Coronary Heart Disease	195	15.4	10.4-22.1
Do not Have Angina or Coronary Heart Disease	1,601	2.6	2.0-3.5
Previously Had a Stroke	*	*	*
Never Had a Stroke	1,732	3.6	2.8-4.6
Physical, Mental, or Emotional Disability	460	6.9	4.8-9.9
No Physical, Mental, or Emotional Disability	1,363	3.0	2.2-4.1
Disability with Special Equipment Needed	151	10.1	5.8-17.1
No Disability with Special Equipment Needed	1,671	3.4	2.6-4.4
Four or More Hours of TV Watched per Day	434	3.9	2.4-6.3
Less Than Four Hours of TV Watched per Day	1,357	3.8	2.9-5.0
Sick from Poor Indoor Air Quality in Past Year	235	3.3	1.7-6.5
Not Sick from Poor Indoor Air Quality in Past Year	1,594	4.0	3.1-5.2
Sick from Outdoor Air Pollution in Past Year	116	4.8	2.1-10.4
Not Sick from Outdoor Air Pollution in Past Year	1,717	4.0	3.1-5.0
Firearm in Household	1,271	3.8	2.8-5.0
No Firearms in Household	485	3.9	2.5-6.3
Loaded and Unlocked Firearm in Household	169	5.0	2.4-10.1
No Loaded and Unlocked Firearms in Household	1,577	3.7	2.9-4.8
No Birth Control (females 18-44 & males 18-59)	552	0.7	0.2-1.8
Birth Control (females 18-44 & males 18-59)	185	2.1	0.8-5.4
Never Been Tested for HIV (18-64)	911	1.2	0.7-2.3
Been Tested for HIV (18-64)	250	1.3	0.5-3.5
Sunburn in Past 12 Months	627	2.6	1.6-4.2
No Sunburn in Past 12 Months	1,211	4.8	3.7-6.3
Military Veteran	834	6.6	5.0-8.7
Not a Military Veteran	1,007	2.0	1.3-3.1

Note: \*Results based on sample sizes less than 100 have been suppressed.

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2004